



Option Evaluation and Scoring

Center Director's
Weighting of
Evaluation
Criteria

CD	BT	Evaluation Criteria	Reinvent	Institute	FFRDC
1	1	1 Safety Assurances			
2	2	2 Science Leadership Commitment			
3	3	3 Technology Leadership Commitment			
4	4	4 Commercial Leadership Commitment			
5	5	5 Integrated S/T/C Leadership Commitment			
6	6	6 International Involvement			
7	7	7 Quality of Human Resources			
8	8	8 Strategic Focus			
9	9	9 Responsiveness			
10	10	10 Optimized Use of Access and Resources			
11	11	11 Shorter Time to Enable Discovery			
12	12	12 Customer Focus			
13	13	13 Performance Accountability			
14	14	14 Integrity			
15	15	15 Knowledge			
16	16	16 Interface Responsibilities			
17	17	17 Financial Expenditure			
18	18	18 Funding and Support Advocacy			

The Blue Team reassessed the Evaluation Criteria
weighting to drive out relative priority

- Critical
- Important
- Should be Considered



Option Evaluation and Scoring, cont'd

- All criteria were determined to be discriminators across the Options

Evaluation Criteria		Reinvent	Institute	FFRDC
1	Safety Assurances			
2	Science Leadership Commitment			
3	Technology Leadership Commitment			
4	Commercial Leadership Commitment			
5	Integrated S/T/C Leadership Commitment			
6	International Involvement			
7	Quality of Human Resources			
8	Strategic Focus			
9	Responsiveness			
10	Optimized Use of Access and Resources			
11	Shorter Time to Enable Discovery			
12	Customer Focus			
13	Performance Accountability			
14	Integrity			
15	Knowledge			
16	Interface Responsibilities			
17	Financial Expenditure			
18	Funding and Support Advocacy			

19	Transition			
20	Establishment			
21	Facilities			
22	Control			
23	Human Capital			
24	Competencies			

- Six criteria defined as “implications to NASA” were added and weighted

- 10 Critical
- 7 Important
- 3 Should be Considered

The Blue Team assigned a numeric value to each “weight” based on a logarithmic scale



Option Evaluation and Scoring, cont'd

- **Evaluation Criteria partitioned into three major categories**

- Safety
- Technical Performance
- Business Performance

- **The categories represent an Option's ability to meet the:**

- Three Objectives of an alternate structure for ISS Utilization Management
- Vision and Guiding Principles for ISS Utilization to support NASA Strategic Goals
- User community inputs relative to utilization challenges

- **Fourth category evaluates potential implications to NASA of each Option**

	Evaluation Criteria	Reinvent	Institute	FFRDC
Safety	1 Safety Assurances			
Technical Performance	2 Science Leadership Commitment			
	3 Technology Leadership Commitment			
	4 Commercial Leadership Commitment			
	5 Integrated S/T/C Leadership Commitment			
	8 Strategic Focus			
	10 Optimized Use of Access and Resources			
	11 Shorter Time to Enable Discovery			
	12 Customer Focus			
	15 Knowledge			
	Subtotal			
Business Performance	6 International Involvement			
	7 Quality of Human Resources			
	9 Responsiveness			
	13 Performance Accountability			
	14 Integrity			
	16 Interface Responsibilities			
	17 Financial Expenditure			
	18 Funding and Support Advocacy			
	Subtotal			
	Total Benefit			
Implications	19 Transition			
	20 Establishment			
	21 Facilities			
	22 Control			
	23 Human Capital			
	24 Competencies			
	Total Implication			
	Total Benefit vs. Implication			
	Qualitative Value to NASA			



Option Evaluation and Scoring, cont'd

- Unweighted scoring of each Option based on the Blue Team's internal assessment

- Utilized a scoring methodology based on:

- +2 Excellent
- +1 Good
- 0 Neutral
- -1 Deficient
- -2 Poor

	Evaluation Criteria	Reinvent	Institute	FFRDC
Safety	1 Safety Assurances	0	0	0
Technical Performance	2 Science Leadership Commitment	0	2	1
	3 Technology Leadership Commitment	2	1	2
	4 Commercial Leadership Commitment	1	1	1
	5 Integrated S/T/C Leadership Commitment	0	1	1
	8 Strategic Focus	0	1	1
	10 Optimized Use of Access and Resources	0	1	1
	11 Shorter Time to Enable Discovery	0	1	1
	12 Customer Focus	0	2	1
	15 Knowledge	0	1	1
	Subtotal	3	11	10
Business Performance	6 International Involvement	2	0	1
	7 Quality of Human Resources	-1	1	1
	9 Responsiveness	1	1	1
	13 Performance Accountability	0	0	0
	14 Integrity	0	0	0
	16 Interface Responsibilities	2	1	0
	17 Financial Expenditure	-1	0	0
	18 Funding and Support Advocacy	-1	1	1
	Subtotal	2	4	4
	Total Benefit	5	15	14
Implications	19 Transition	2	0	-1
	20 Establishment	1	0	-1
	21 Facilities	1	-1	-1
	22 Control	1	0	0
	23 Human Capital	1	0	0
	24 Competencies	1	0	-1
	Total Implication	7	-1	-4
	Total Benefit vs. Implication	5 : 7	15 : -1	14 : -4
	Qualitative Value to NASA			



Option Evaluation and Scoring, cont'd

- Final weighted scoring of the three Options

	Evaluation Criteria	Reinvent	Institute	FFRDC
Safety	1 Safety Assurances	0	0	0
Technical Performance	2 Science Leadership Commitment	0	20	10
	3 Technology Leadership Commitment	20	10	20
	4 Commercial Leadership Commitment	10	10	10
	5 Integrated S/T/C Leadership Commitment	0	10	10
	8 Strategic Focus	0	3	3
	10 Optimized Use of Access and Resources	0	10	10
	11 Shorter Time to Enable Discovery	0	7	7
	12 Customer Focus	0	20	10
	15 Knowledge	0	7	7
	Subtotal	30	97	87
Business Performance	6 International Involvement	6	0	3
	7 Quality of Human Resources	-7	7	7
	9 Responsiveness	7	7	7
	13 Performance Accountability	0	0	0
	14 Integrity	0	0	0
	16 Interface Responsibilities	6	3	0
	17 Financial Expenditure	-3	0	0
	18 Funding and Support Advocacy	-7	7	7
	Subtotal	2	24	24
	Total Benefit	32	121	111
Implications	19 Transition	20	0	-10
	20 Establishment	7	0	-7
	21 Facilities	3	-3	-3
	22 Control	10	0	0
	23 Human Capital	3	0	0
	24 Competencies	7	0	-7
	Total Implication	50	-3	-27
	Total Benefit vs. Implication	32 : 50	121 : -3	111 : -27
	Qualitative Value to NASA	Low	High	Medium

- 10** Critical
- 7** Important
- 3** Should be Considered